

**Abstract**

The invention relates to an electric machine, preferably of the three-phase current design. According to the invention, a first electric motor (10) is provided, which is  
5 mechanically connected via the rotor (5) thereof to a rotating shaft of an engine, especially of an internal combustion engine. In addition, at least one second electric motor (11) is provided, whereby the second electric motor (11) is mechanically coupled via the rotor (6) thereof to a rotating part of a mechanical aggregate, especially to a turbo-engine. The first electric motor (10) is electrically coupled to at  
10 least the second electric motor (11) in order to exchange electrical power at a freely selectable voltage level.